

## **10/542492** Rec'd PCT/PTO 15 JUL 2005

Fig. 3(a)

Infrared - Radiation - Absorbing Dye A

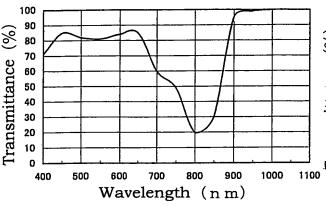


Fig. 3(b)

Infrared - Radiation - Absorbing Dye B

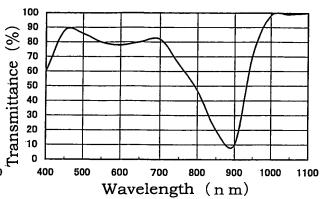


Fig. 3(c)

Infrared - Radiation - Absorbing Dye C

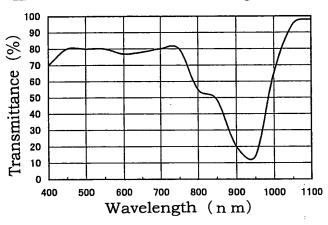


Fig. 3(d)

Infrared - Radiation - Absorbing Dye D

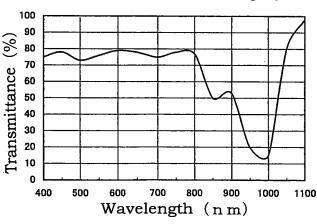


Fig. 3(e)

Infrared - Radiation - Absorbing Dye E

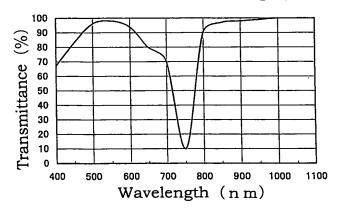


Fig. 4(a)

Simulation Result

When Infrared-Radiation-Absorbing Dyes Are Blended

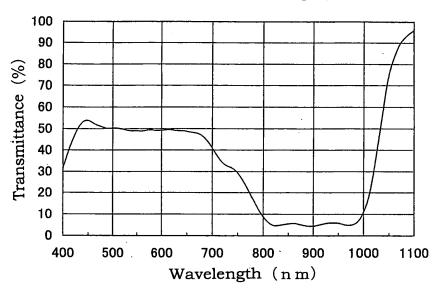


Fig. 4(b)

Simulation Result

When Infrared-Radiation-Absorbing Dyes Are Blended

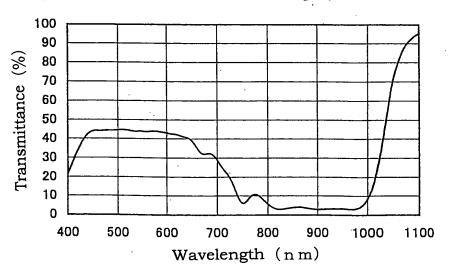


Fig. 5(a)

Spectral Response Characteristic Of Phototransistor (Peak Sensitivity Wavelength : 900 nm)

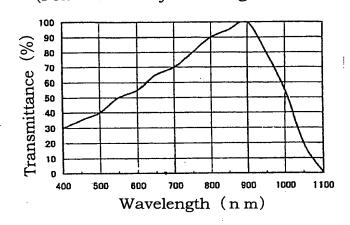


Fig. 5(b)

Spectral Response Characteristic Of Phototransistor

(Peak Sensitivity Wavelength: 650 nm)

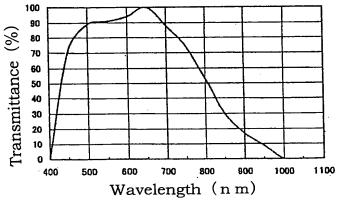


Fig. 6(a)

 ${\bf Spectral\ Response\ Of\ Phototransistor\ +}$   ${\bf Simulation\ Of\ Infrared\ -Radiation\ -Absorbing\ Dye}$ 

(Peak Sensitivity Wavelength: 650 nm)

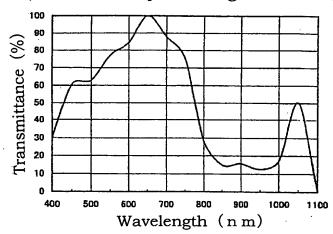
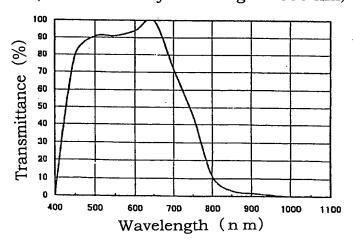


Fig. 6(b)

Spectral Response Of Phototransistor + Simulation Of Infrared-Radiation-Absorbing Dye

(Peak Sensitivity Wavelength: 650 nm)



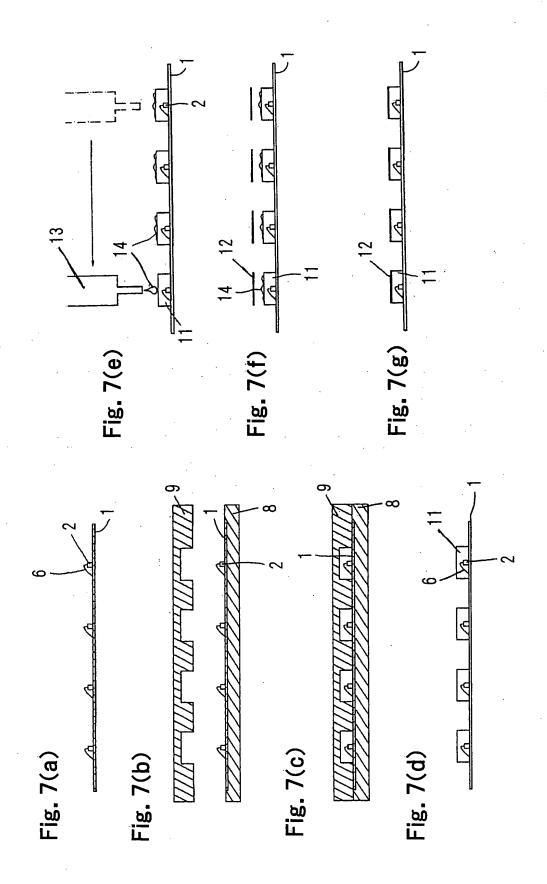
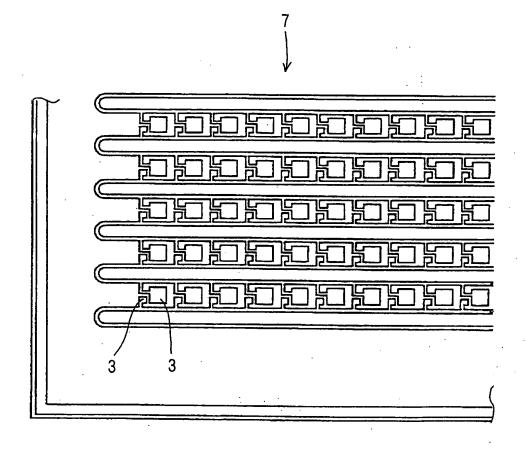


Fig. 8



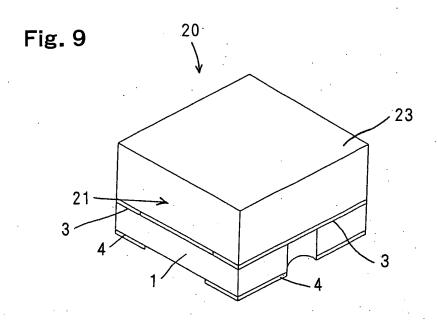
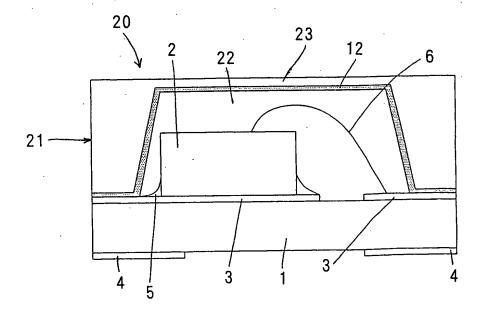
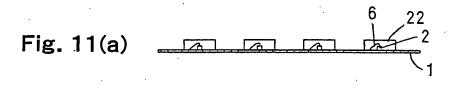


Fig. 10





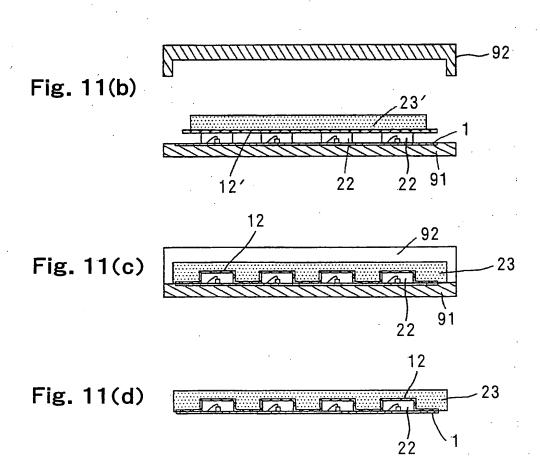


Fig. 12(a)

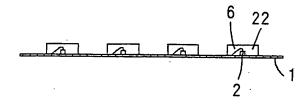


Fig. 12(b)

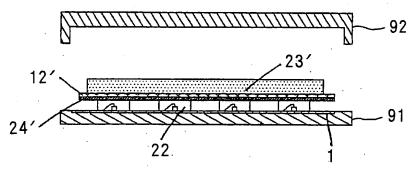


Fig. 12(c)

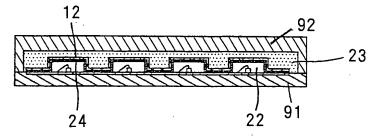
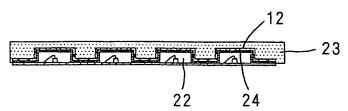


Fig. 12(d)



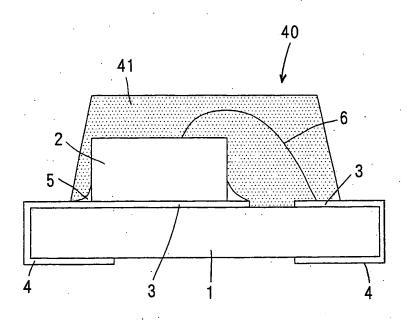
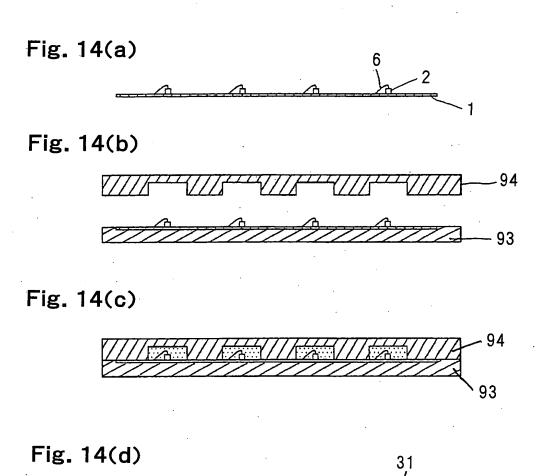


Fig. 13

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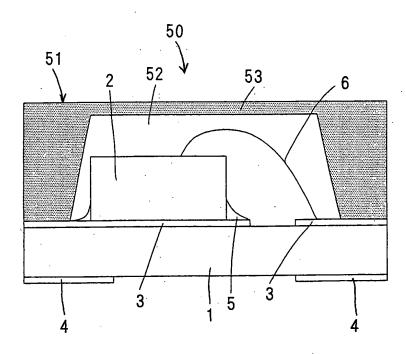
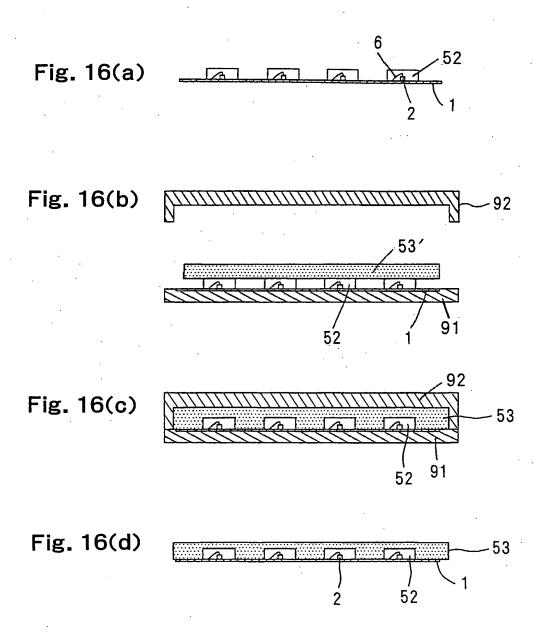


Fig. 15



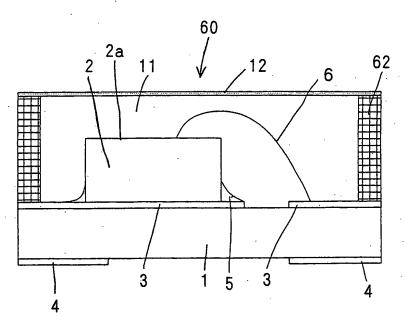
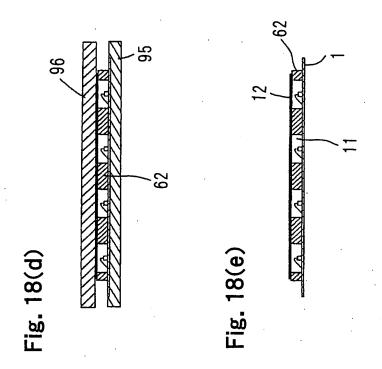
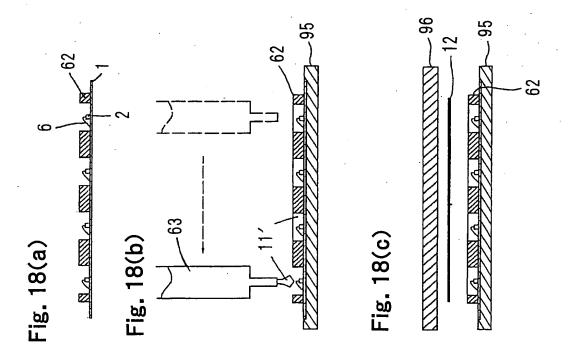
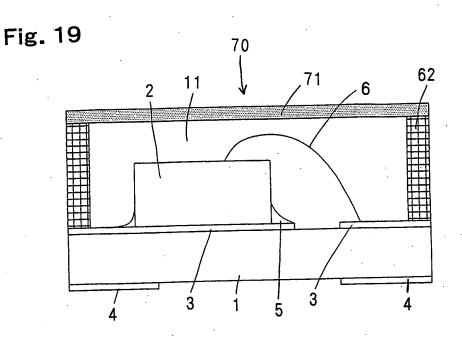
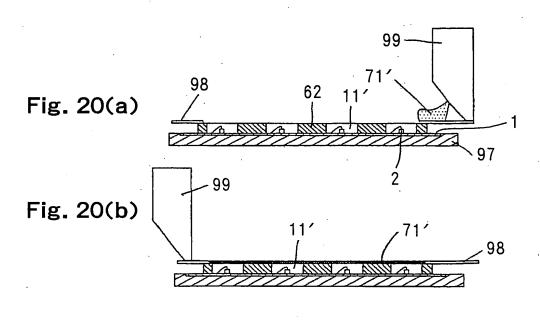


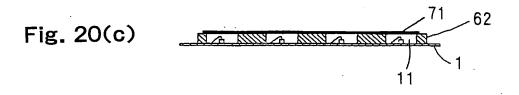
Fig. 17

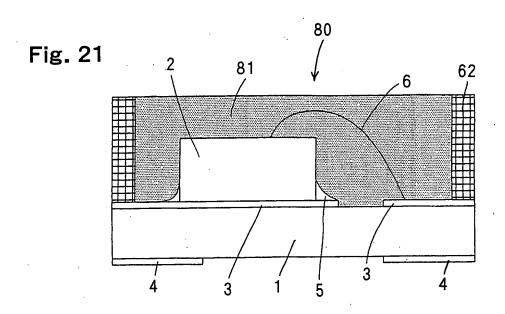


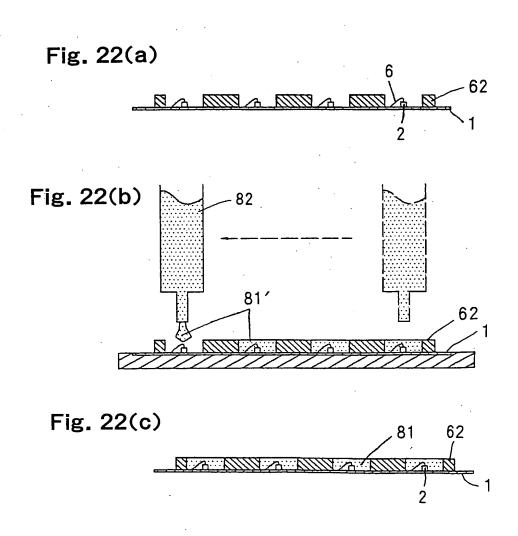












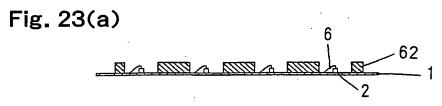


Fig. 23(b)

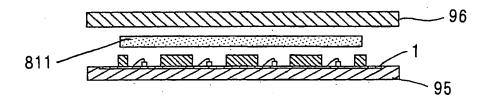
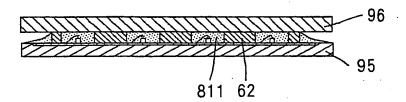


Fig. 23(c)



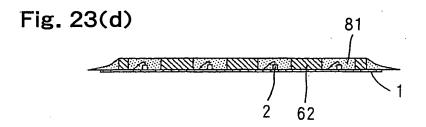


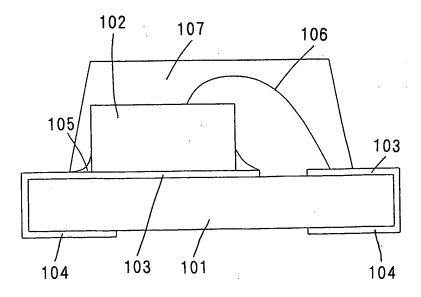
Fig. 24
Prior Art

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Fig. 25 Prior Art



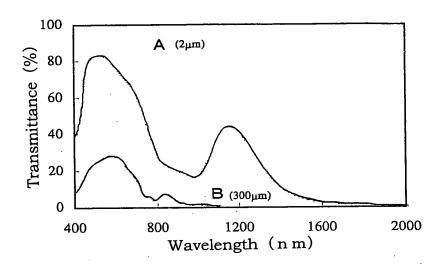


Fig. 26 Prior Art